

Two-way Cassette



Compact and lightweight two-way airflow, perfect for limited ceiling space applications.

Key Features

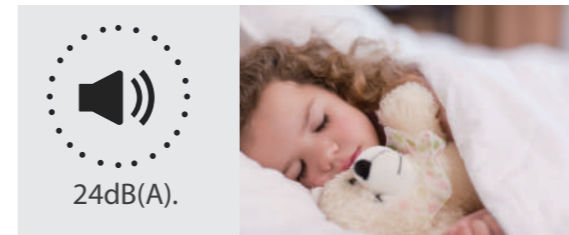
Two-way Cassette		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Fresh air intake	●	●
	Dirty filters indicator signal	●	●
Air flow	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Minimized height	●	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

Note:
●: equipped as standard

COMFORT

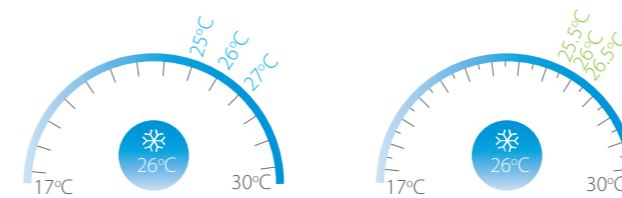
Quiet Operation

The Two-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 24dB(A).



0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Buzzer Sound On/Off

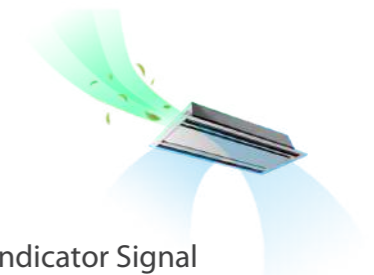
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

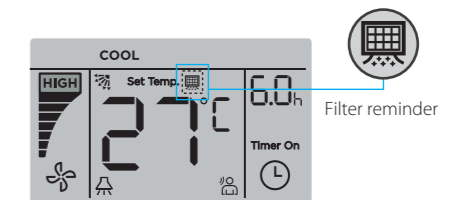
Fresh Air Intake

A reserved outside air intake port allows outdoor fresh air to be introduced directly into the unit, negating the need for a separate ventilation system.



Dirty Filters Indicator Signal

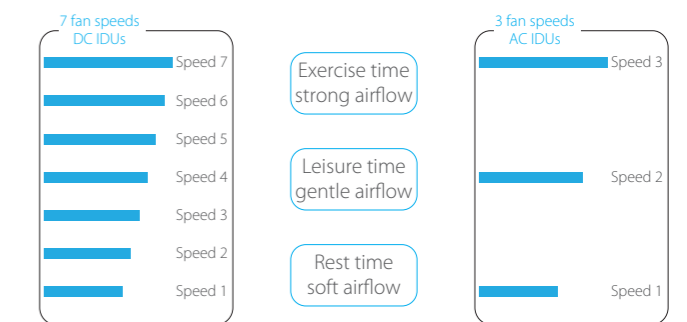
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

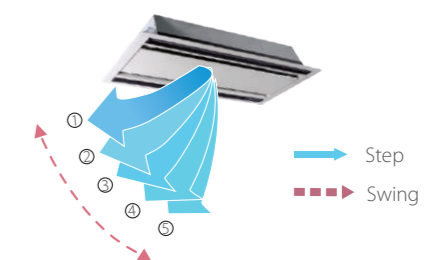
Multiple Fan Speeds

The DC Series supplies 7 indoor fan speeds and AC Series supplies 3 indoor fan speeds to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



Specifications - DC Series

Model		IU-22Q2RFMD	IU-28Q2RFMD	IU-36Q2RFMD
Power supply		1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW 2.2	2.8	3.6
	Input	kBtu/h 7.5	9.6	12.3
Heating ²	Capacity	W 35	40	40
	Input	kW 2.6	3.2	4
Indoor fan motor	Type	DC		
	Quantity	1		
Refrigerant type		R410A		
Airflow rate ³	m ³ /h	654/612/571/530/488/449/410	654/612/571/530/488/449/410	725/679/641/591/554/509/458
	CFM	385/360/336/312/287/264/241	385/360/336/312/287/264/241	427/400/377/348/326/300/270
Sound pressure level ⁴		dB(A) 33/31/30/29/27/25/24		
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch) 1172x299x591(46-9/64x11-49/64x23-17/64)		
	Packing (WxHxD)	mm (inch) 1355x400x675(53-11/32x15-3/4x26-37/64)		
	Net/Gross weight	kg (lbs) 33.5/42.0(73.7/92.4)		
Panel	Dimension (WxHxD)	mm (inch) 1430x53x680(56-19/64x2-3/32x26-49/64)		
	Packing (WxHxD)	mm (inch) 1525x130x765(60-3/64x5-1/8x30-1/8)		
	Net/Gross weight	kg (lbs) 10.5/15(23.1/33.0)		
Pipe connections	Liquid pipe	mm (inch) Φ6.35(1/4)		
	Gas pipe	mm (inch) Φ12.7(1/2)		
	Drain pipe	mm (inch) OD Φ32(1-1/4)		

Model		IU-45Q2RFMD	IU-56Q2RFMD	IU-71Q2RFMD
Power supply		1-phase, 220-240V, 50/60Hz		
Cooling ¹	Capacity	kW 4.5	5.6	7.1
	Input	kBtu/h 15.4	19.1	24.2
Heating ²	Capacity	W 50	69	98
	Input	kW 5	6.3	8
Indoor fan motor	Type	DC		
	Quantity	1		
Refrigerant type		R410A		
Airflow rate ³	m ³ /h	850/792/731/670/631/592/550	980/925/855/800/755/702/670	1200/1115/1068/1000/921/808/770
	CFM	500/466/430/394/371/348/324	576/544/503/471/444/413/394	706/656/628/588/542/475/453
Sound pressure level ⁴		dB(A) 37/36/35/34/32/31/30		
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch) 1172x299x591(46-9/64x11-49/64x23-17/64)		
	Packing (WxHxD)	mm (inch) 1355x400x675(53-11/32x15-3/4x26-37/64)		
	Net/Gross weight	kg (lbs) 35/43.5(77.0/95.7)		
Panel	Dimension (WxHxD)	mm (inch) 1430x53x680(56-19/64x2-3/32x26-49/64)		
	Packing (WxHxD)	mm (inch) 1525x130x765(60-3/64x5-1/8x30-1/8)		
	Net/Gross weight	kg (lbs) 10.5/15(23.1/33.0)		
Pipe connections	Liquid pipe	mm (inch) Φ6.35(1/4)		Φ9.53(3/8)
	Gas pipe	mm (inch) Φ12.7(1/2)		Φ15.9(5/8)
	Drain pipe	mm (inch) OD Φ32(1-1/4)		

Notes:

- Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Each model's 7 airflow rate options are listed in order, from highest to lowest.
- Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
Sound pressure level is measured 1.4m (4.6ft) below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

EASY INSTALLATION

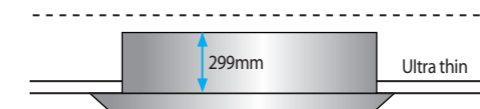
High Airflow

A high airflow rate ensures even airflow and temperature throughout the room, even in high ceiling installations.



Easy Installation

The slim, compact design make the Two-way Cassette ideal for interiors with limited ceiling space.



High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



Compact Four-way Cassette



Compact design allows installation in shallow ceilings.

Key Features

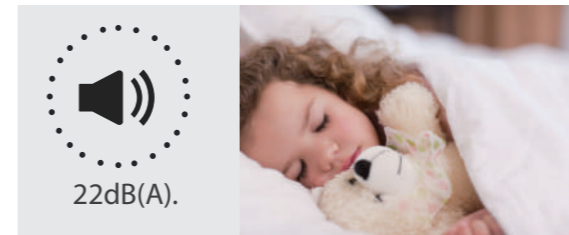
Compact Four-way Cassette		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Fresh air intake	×	●
	Dirty filters indicator signal	●	●
Air flow	360° airflow	●	●
	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Compact size	●	●
	High-lift drain pump	Rated head: 1000mm Raise height: 500mm	Rated head: 1000mm Raise height: 500mm

Note:
●: equipped as standard; ×: without this function

COMFORT

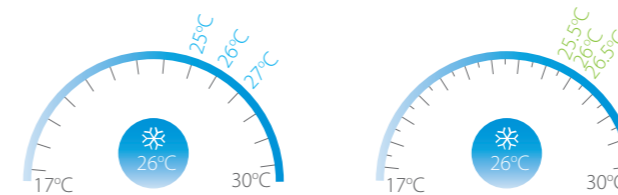
Quiet Operation

The Compact Four-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 22dB(A).



0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

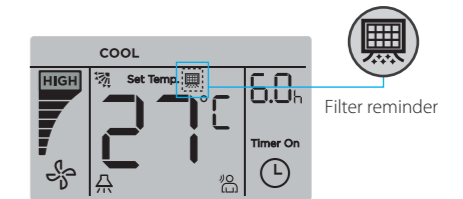
Fresh Air Intake

A reserved outside air intake port allows outdoor fresh air to be introduced directly into the unit, negating the need for a separate ventilation system.



Dirty Filters Indicator Signal

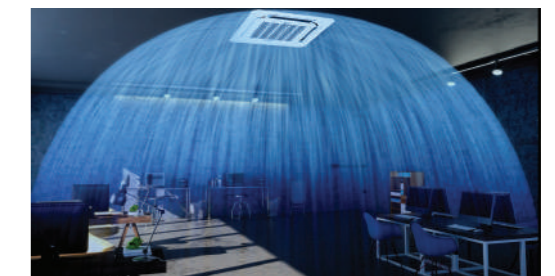
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

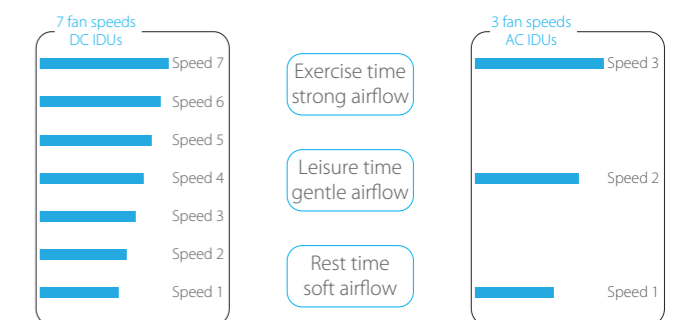
360° Airflow

The Compact Four-way Cassette's 360° air outlets provide strong airflow circulation to cool or heat every corner of a room and evenly control temperature.



Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Specifications - DC Series

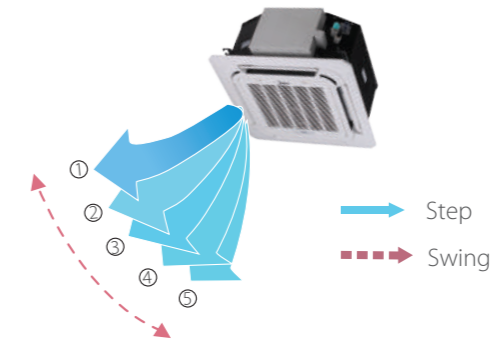
Model			IU-22Q4CRFMD	IU-28Q4CRFMD	IU-36Q4CRFMD	IU-45Q4RFMD
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5
		kBtu/h	7.5	9.6	12.3	15.4
	Input	W	35	35	40	50
Heating ²	Capacity	kW	2.4	3.2	4	5
		kBtu/h	8.2	10.9	13.6	17.1
	Input	W	35	35	40	50
Indoor fan motor	Type		DC			
	Quantity		1			
Refrigerant type			R410A			
Airflow rate ³		m ³ /h	414/380/345/313/288/268/238		521/485/450/409/380/350/314	
		CFM	244/224/203/184/170/158/140		307/285/265/241/224/206/185	
Sound pressure level ⁴		dB(A)	35/34/33/29/26/23/22		41/38/35/32/30/29/28	
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch)	630×260×570(24-51/64×10-15/64×22-7/16)			
	Packing (WxHxD)	mm (inch)	700×345×660(27-9/16×13-37/64×25-63/64)			
	Net/Gross weight	kg (lbs)	18/23.8(39.6/52.36)		19.2/25.0(42.24/55)	
Panel	Dimension (WxHxD)	mm (inch)	647×50×647(25-15/32×1-31/32×25-15/32)			
	Packing (WxHxD)	mm (inch)	715×123×715(28-5/32×4-27/32×28-5/32)			
	Net/Gross weight	kg (lbs)	2.5/4.5(5.5/9.9)			
Pipe connections	Liquid pipe	mm (inch)	Φ6.35(Φ1/4)			
	Gas pipe	mm (inch)	Φ12.7(Φ1/2)			
	Drain pipe	mm (inch)	OD Φ16(5/8)			

Notes:

- Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Each model's 7 airflow rate options are listed in order, from highest to lowest.
- Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
Sound pressure level is measured 1.4m (4.6ft) below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Multiple Steps Vertical Swing

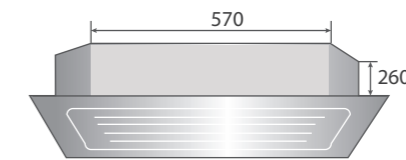
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



EASY INSTALLATION

Compact Size

The slim and compact body has reduced the restriction enables the Compact Four-way Cassette successful installation in various ceiling spaces.



High-lift Drain Pump

A drain pump with a 500mm raise height is fitted as standard, simplifying installation of the drain piping.



Four-way Cassette



360° airflow for immediate, equal distribution of wider-angle cooling and heating, idea for standard ceilings.

Key Features

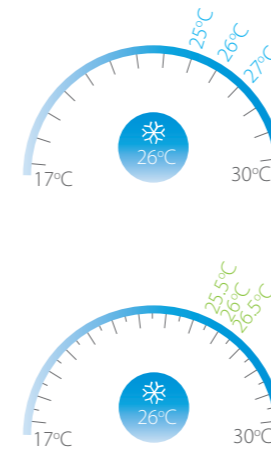
Four-way Cassette	DC Series	AC Series	
Comfort	Quiet operation	●	
	0.5°C/1°C setting temperature adjustment	●	
	Digital display on/off	●	
	Buzzer sound on/off	●	
Health	Air filter	○ (G3-class) (28-140)	
	Fresh air intake	●	
	Dirty filters indicator signal	●	
	Buzzer sound on/off	●	
Air flow	360° airflow	●	
	Individual louver control	○	
	Soft wind	●	
	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Compact size	●	
	High ceiling installation	●	
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

Note:
●: equipped as standard; ○: customization option

COMFORT

0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Optional G3-class Air Filter

The DC Four-way Cassette supports 30Pa external static pressure for the G3-class filter installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μm), creating a cleaner living environment.

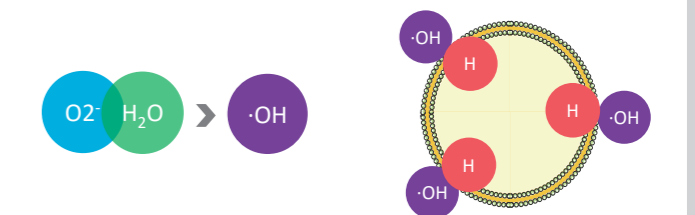


The optional filter comply with EN779:2012

Note: This function is available for 360° panel only.

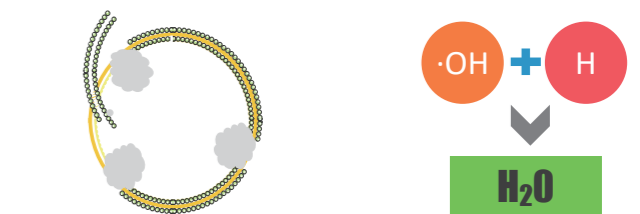
Ionizer Sterilization

The powerful Ionizer protects you from bad odors and harmful bacteria. The circulating sterilization rate is over 96%.



1. Negative ions combine with water molecules to form OH radicals

2. OH radical extraction of hydrogen from bacterial proteins

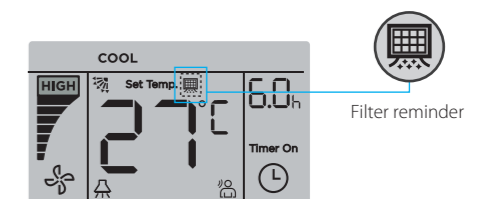


3. Components of bacterial tissues are destroyed and become ineffective (realize sterilization)

4. OH radicals eventually reduce to natural water molecules (pollution-free)

Dirty Filters Indicator Signal

The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

360° Airflow

New design, round air flow path ensures uniform air flow and temperature distribution.

Individual louver control*

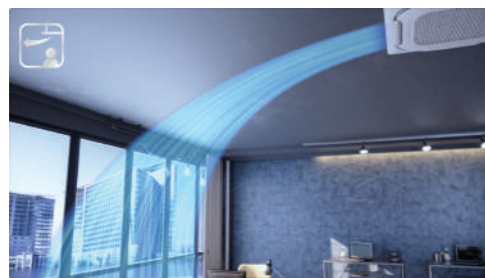
The Individual louver control can control the motors separately, making it possible to control all four louvers independently.



*This function is available as a customization option.

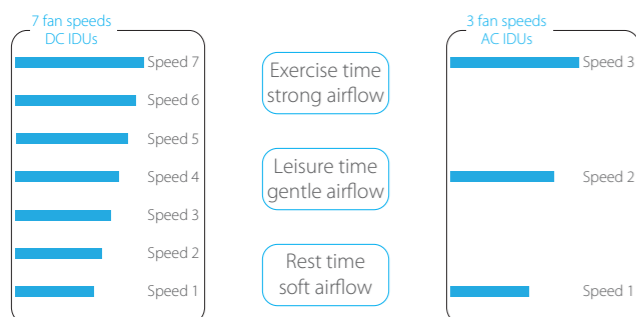
Soft Wind Mode

In soft wind mode, supply air against the ceiling to create windless environment, more comfort.



Multiple Fan Speeds

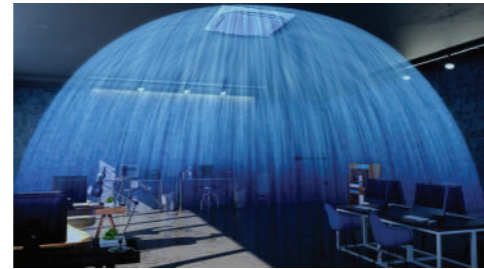
The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



EASY INSTALLATION

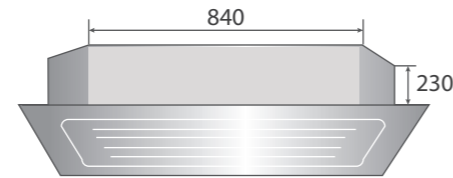
High Ceiling Installation

The Four-way Cassette reserves a super high fan speed for high ceiling installation, it can provide power full cooling and heating up to 4.2m in height from floor.



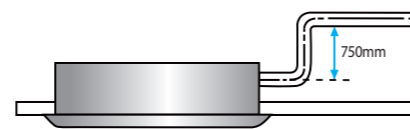
Compact Size

The height of models 28 to 80 are just 230mm whilst models 90 to 160 are 300mm, making the Four-way Cassette idea for standard ceilings.



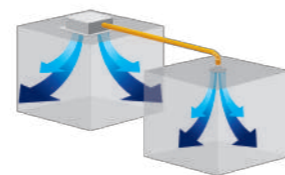
High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



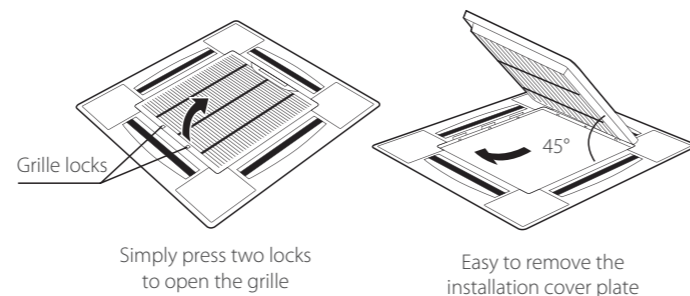
Sub Duct

Connecting a sub-duct enables an indoor unit to be used to also cool a smaller nearby space.



Convenient Panel Installation

The user-friendly design makes the panels very easy to install and simplifies field work.



Specifications - DC Series

Model		IU-28Q4RFMD	IU-36Q4RFMD	IU-45Q4RFMD	IU-56Q4RFMD	IU-71Q4RFMD	IU-80Q4RFMD	
Power supply		1 phase, 220-240V, 50/60Hz						
Cooling ¹	Capacity	kW	2.8	3.6	4.5	5.6	7.1	8
		kBtu/h	9.6	12.3	15.4	19.1	24.2	27.3
	Input	W	40	45	50	60	70	96
Heating ²	Capacity	kW	3.2	4	5	6.3	8	9
		kBtu/h	10.9	13.6	17.1	21.5	27.3	30.7
	Input	W	40	45	50	60	70	96
Indoor fan motor	Type	DC						
	Quantity	1						
Refrigerant type		R410A						
Airflow rate ³	m ³ /h	801/751/711/658/637/611/542			893/866/804/744/714/698/635		977/937/864/800/778/738/671	
	CFM	471/442/418/387/375/360/319			526/510/473/438/420/411/374		575/551/509/471/458/434/395	
Sound pressure level ⁴		32/31/30/28/28/26/23			35/34/31/31/30/28/26		35/35/34/31/30/28/27 36/35/34/31/31/29/28	
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch) 840x230x840(33-5/64x9-1/16x33-5/64)						
	Packing (WxHxD)	mm (inch) 955x260x955(37-19/32x10-15/64x37-19/32)						
	Net/Gross weight	kg (lbs) 21.3/25.8(46.9/56.8)			23.2/27.6(51.0/60.7)			
Panel	Dimension (WxHxD)	mm (inch) 950x54.5x950(37-13/32x2-9/64x37-13/32)						
	Packing (WxHxD)	mm (inch) 1035x90x1035(40-3/4x3-35/64x40-3/4)						
	Net/Gross weight	kg (lbs) 5.5/8.2(12.1/18.0)						
Pipe connections	Liquid pipe	mm (inch) Φ6.35(1/4)			Φ9.53(3/8)			
	Gas pipe	mm (inch) Φ12.7(1/2)			Φ15.9(5/8)			
	Drain pipe	mm (inch) OD Φ32(1-1/4)						

Model		IU-90Q4RFMD	IU-100Q4RFMD	IU-112Q4RFMD	IU-140Q4RFMD	IU-160Q4RFMD	
Power supply		1 phase, 220-240V, 50/60Hz					
Cooling ¹	Capacity	kW	9	10	11.2	14	16
		kBtu/h	30.7	34.1	38.2	47.8	54.5
	Input	W	100	150	160	170	170
Heating ²	Capacity	kW	10	11	12.5	16	18
		kBtu/h	34.1	37.5	42.7	54.6	61.3
	Input	W	100	150	160	170	170
Indoor fan motor	Type	DC					
	Quantity	1					
Refrigerant type		R410A					
Airflow rate ³	m ³ /h	1349/1294/1230/1201/1111/1029/970		1700/1600/1440/1250/1200/1150/1100		1800/1650/1500/1300/1250/1200/1150	
	CFM	1001/942/848/736/706/677/647		1001/942/848/736/706/677/647		1059/971/883/765/736/706/677	
Sound pressure level ⁴		37/35/34/31/31/30/28		43/42/40/38/37/35/34		45/44/42/41/40/39/37	
Indoor unit	Dimension ⁵ (WxHxD)	mm (inch) 840x300x840(33-5/64x11-13/16x33-5/64)				950x300x950(33-5/64x11-13/16x33-5/64)	
	Packing (WxHxD)	mm (inch) 955x330x955(37-19/32x12-63/64x37-19/32)				1050x335x1050(41-11/32x13-3/16x41-11/32)	
	Net/Gross weight	kg (lbs) 28.4/33.8(62.5/74.4)			30.7/35.8(67.5/78.8)		35.3/41.2(77.7/90.6)
Panel	Dimension (WxHxD)	mm (inch) 950x54.5x950(37-13/32x2-9/64x37-13/32)				1050x55x1050(41-11/32x2-11/64x41-11/32)	
	Packing (WxHxD)	mm (inch) 1035x90x1035(40-3/4x3-35/64x40-3/4)				1115x100x1115(43-57/64x3-15/16x43-57/64)	
	Net/Gross weight	kg (lbs) 5.5/8.2(12.1/18.0)				7.4/9.7(16.3/21.3)	
Pipe connections	Liquid pipe	mm (inch) Φ9.53(3/8)					
	Gas pipe	mm (inch) Φ15.9(5/8)					
	Drain pipe	mm (inch) OD Φ32(1-1/4)					

Notes:

- Indoor air temperature 27°C (80.6°F) DB, 19°C (66.2°F) WB; outdoor air temperature 35°C (95.0°F) DB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Indoor air temperature 20°C (68.0°F) DB; outdoor air temperature 7°C (44.6°F) DB, 6°C (42.8°F) WB; equivalent refrigerant piping length 7.5m (24.6ft.) with zero level difference.
- Each model's 7 airflow rate options are listed in order, from highest to lowest.
- Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1.4m (4.6ft) below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.